ABSTRACT OF THE DISCLOSURE

1   A method and network subsystem for providing on demand end

2   to end Quality of Service (QoS) in a dynamic manner, use a

3   combination of Resource Reservation Protocol (RSVP), load

4   control protocol (and its successors) and Bandwidth Brokers

5   (BBs) which communicate using a predetermined protocol. The

6   predetermined protocol may be one of Common Open Policy Service

7   Protocol (COPS) and Simple Network Management Protocol (SNMP)

8   for direct communication by the BBs. The network subsystem

9   might   also   include   differentiated   services   architecture

10   (Diffserv) which might comprise a Diffserv domain including

11   Border Routers (BRs) and Core Routers (CRs). The BBs may obtain

12   resource availability information by communicating only with the

13   BRs to the exclusion of CRs. The BBs may optionally have the

14   capability of using an RSVP aggregation protocol and may have

15   the ability to store and manage RSVP aggregation status. The

16   method and network subsystem may additionally use Integrated

17   Service Architecture (Intserv) which will enable achieving

18   interoperability between Intserv and Diffserv through the use of

19   an edge router on a bandwidth broker aggregator.